STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

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Application Serial Number: 10/542,408A
Source: IFW0
Date Processed by STIC: 9/26/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
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2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

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http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
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Revised 01/10/06

IFWO

RAW SEQUENCE LISTING DATE: 09/26/2006
PATENT APPLICATION: **US/10/542,408A** TIME: 10:20:33

Input Set : **A:\3136us0p.seq.txt**
Output Set: **N:\CRF4\09262006\J542408A.raw**

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 3 <110> APPLICANT: ITO, Yasuaki
 4       FUJII, Ryo
 5       HINUMA, Shuji
 6       FUKUSUMI, Shoji
 7       MARUYAMA, Minoru
 9 <120> TITLE OF INVENTION: Novel Screening Method
11 <130> FILE REFERENCE: 3136 US0P
13 <140> CURRENT APPLICATION NUMBER: US 10/542408A
14 <141> CURRENT FILING DATE: 2005-07-15
16 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/000248
17 <151> PRIOR FILING DATE: 2004-01-15
19 <150> PRIOR APPLICATION NUMBER: JP 2003-010001
20 <151> PRIOR FILING DATE: 2003-01-17
22 <150> PRIOR APPLICATION NUMBER: JP 2003-104540
23 <151> PRIOR FILING DATE: 2003-04-08
25 <150> PRIOR APPLICATION NUMBER: JP 2003-194497
26 <151> PRIOR FILING DATE: 2003-07-09
28 <150> PRIOR APPLICATION NUMBER: JP 2003-329080
29 <151> PRIOR FILING DATE: 2003-09-19
W--> 31 <150> PRIOR APPLICATION NO: PCT/JP2004/000248
32 <151> PRIOR FILING DATE: 2004-01-15
34 <160> NUMBER OF SEQ ID NOS: 22
36 <210> SEQ ID NO: 1
37 <211> LENGTH: 361
38 <212> TYPE: PRT
39 <213> ORGANISM: Homo sapiens
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43                  5                  10                  15
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45             20                  25                  30
46 Gly Asp His Arg Leu Val Leu Ala Ala Val Glu Thr Thr Val Leu Val
47         35                  40                  45
48 Leu Ile Phe Ala Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
49     50                  55                  60
50 Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Cys Leu Val Leu Asn
51 65                  70                  75                  80
52 Leu Phe Cys Ala Asp Leu Leu Phe Ile Ser Ala Ile Pro Leu Val Leu
53                 85                  90                  95
54 Ala Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Ala Cys His
55             100                 105                 110
56 Leu Leu Phe Tyr Val Met Thr Leu Ser Gly Ser Val Thr Ile Leu Thr
57         115                 120                 125
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see p. 8

Does Not Comply
Corrected Diskette Needed

delete - already shown above

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Input Set : **A:\3136us0p.seq.txt**
Output Set: **N:\CRF4\09262006\J542408A.raw**

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59     130                 135                 140
60 Arg Gly Val Arg Gly Pro Gly Arg Arg Ala Arg Ala Val Leu Leu Ala
61 145                 150                 155                 160
62 Leu Ile Trp Gly Tyr Ser Ala Val Ala Ala Leu Pro Leu Cys Val Phe
63                 165                 170                 175
64 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Ala Asp Gln Glu Ile Ser
65             180                 185                 190
66 Ile Cys Thr Leu Ile Trp Pro Thr Ile Pro Gly Glu Ile Ser Trp Asp
67         195                 200                 205
68 Val Ser Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
69     210                 215                 220
70 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
71 225                 230                 235                 240
72 Leu Thr Val Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
73                 245                 250                 255
74 Gln Gln Asp Phe Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
75             260                 265                 270
76 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
77         275                 280                 285
78 Ile Gln Asn Phe Lys Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
79     290                 295                 300
80 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
81 305                 310                 315                 320
82 Tyr Asn Met Thr Leu Cys Arg Asn Glu Trp Lys Lys Ile Phe Cys Cys
83                 325                 330                 335
84 Phe Trp Phe Pro Glu Lys Gly Ala Ile Leu Thr Asp Thr Ser Val Lys
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86 Arg Asn Asp Leu Ser Ile Ile Ser Gly
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90 <211> LENGTH: 1083
91 <212> TYPE: DNA
92 <213> ORGANISM: Homo sapiens
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96 aaccgcaccc gctttccctt cttctccgac gtcaagggcg accaccggct ggtgctggcc  120
97 gcggtggaga caaccgtgct ggtgctcatc tttgcagtgt cgctgctggg caacgtgtgc  180
98 gccctggtgc tggtggcgcg ccgacgacgc cgcggcgcga ctgcctgcct ggtactcaac  240
99 ctcttctgcg cggacctgct cttcatcagc gctatccctc tggtgctggc cgtgcgctgg  300
100 actgaggcct ggctgctggg ccccgttgcc tgccacctgc tcttctacgt gatgaccctg  360
101 agcggcagcg tcaccatcct cacgctggcc gcggtcagcc tggagcgcat ggtgtgcatc  420
102 gtgcacctgc agcgcggcgt gcggggtcct gggcggcggg cgcgggcagt gctgctggcg  480
103 ctcatctggg gctattcggc ggtcgccgct ctgcctctct gcgtcttctt ccgagtcgtc  540
104 ccgcaacggc tccccggcgc cgaccaggaa atttcgattt gcacactgat ttggcccacc  600
105 attcctggag agatctcgtg ggatgtctct tttgttactt tgaacttctt ggtgccagga  660
106 ctggtcattg tgatcagtta ctccaaaatt ttacagatca caaaggcatc aaggaagagg  720
107 ctcacggtaa gcctggccta ctcggagagc caccagatcc gcgtgtccca gcaggacttc  780
108 cggctcttcc gcaccctctt cctcctcatg gtctccttct tcatcatgtg gagccccatc  840
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Input Set : **A:\3136us0p.seq.txt**
Output Set: **N:\CRF4\09262006\J542408A.raw**

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110 tccctcttct tctgggtggt ggccttcaca tttgctaatt cagccctaaa ccccatcctc  960
111 tacaacatga cactgtgcag gaatgagtgg aagaaaattt tttgctgctt ctggttccca 1020
112 gaaaagggag ccattttaac agacacatct gtcaaaagaa atgacttgtc gattatttct 1080
113 ggc                                                              1083
115 <210> SEQ ID NO: 3
116 <211> LENGTH: 361
117 <212> TYPE: PRT
118 <213> ORGANISM: Mus musculus
120 <400> SEQUENCE: 3
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122                  5                  10                  15
123 Leu Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys
124              20                  25                  30
125 Gly Asp His Arg Leu Val Leu Ser Val Val Glu Thr Thr Val Leu Gly
126          35                  40                  45
127 Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
128      50                  55                  60
129 Val Ala Arg Arg Arg Arg Arg Gly Ala Thr Ala Ser Leu Val Leu Asn
130  65                  70                  75                  80
131 Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
132                  85                  90                  95
133 Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
134              100                 105                 110
135 Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr
136          115                 120                 125
137 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
138      130                 135                 140
139 Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
140 145                 150                 155                 160
141 Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
142                 165                 170                 175
143 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
144              180                 185                 190
145 Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
146          195                 200                 205
147 Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
148      210                 215                 220
149 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
150 225                 230                 235                 240
151 Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
152                 245                 250                 255
153 Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
154              260                 265                 270
155 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
156          275                 280                 285
157 Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
158      290                 295                 300
159 Trp Val Val Ala Phe Thr Phe Ala Asn Ser Ala Leu Asn Pro Ile Leu
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RAW SEQUENCE LISTING DATE: 09/26/2006
PATENT APPLICATION: **US/10/542,408A** TIME: 10:20:33

Input Set : **A:\3136us0p.seq.txt**
Output Set: **N:\CRF4\09262006\J542408A.raw**

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160 305                 310                 315                 320
161 Tyr Asn Met Ser Leu Phe Arg Asn Glu Trp Arg Lys Ile Phe Cys Cys
162                 325                 330                 335
163 Phe Phe Phe Pro Glu Lys Gly Ala Ile Phe Thr Asp Thr Ser Val Arg
164             340                 345                 350
165 Arg Asn Asp Leu Ser Val Ile Ser Ser
166         355                 360
168 <210> SEQ ID NO: 4
169 <211> LENGTH: 1083
170 <212> TYPE: DNA
171 <213> ORGANISM: Mus musculus
173 <400> SEQUENCE: 4
174 atgtcccctg agtgtgcaca gacgacgggc cctggcccct cgcacaccct ggaccaagtc   60
175 aatcgcaccc acttcccttt cttctcggat gtcaagggcg accaccggtt ggtgttgagc  120
176 gtcgtggaga ccaccgttct ggggctcatc tttgtcgtct cactgctggg caacgtgtgt  180
177 gctctagtgc tggtggcgcg ccgtcggcgc cgtggggcga cagccagcct ggtgctcaac  240
178 ctcttctgcg cggatttgct cttcaccagc gccatccctc tagtgctcgt cgtgcgctgg  300
179 actgaggcct ggctgttggg gcccgtcgtc tgccacctgc tcttctacgt gatgacaatg  360
180 agcggcagcg tcacgatcct cacactggcc gcggtcagcc tggagcgcat ggtgtgcatc  420
181 gtgcgcctcc ggcgcggctt gagcggcccg gggcggcgga ctcaggcggc actgctggct  480
182 ttcatatggg gttactcggc gctcgccgcg ctgcccctct gcatcttgtt ccgcgtggtc  540
183 ccgcagcgcc ttcccggcgg ggaccaggaa attccgattt gcacattgga ttggcccaac  600
184 cgcataggag aaatctcatg ggatgtgttt tttgtgactt tgaacttcct ggtgccggga  660
185 ctggtcattg tgatcagtta ctccaaaatt ttacagatca cgaaagcatc gcggaagagg  720
186 cttacgctga gcttggcata ctctgagagc caccagatcc gagtgtccca acaagactac  780
187 cgactcttcc gcacgctctt cctgctcatg gtttccttct tcatcatgtg gagtcccatc  840
188 atcatcacca tcctcctcat cttgatccaa aacttccggc aggacctggt catctggcca  900
189 tccctttttct tctgggtggt ggccttcacg tttgccaact ctgccctaaa ccccatactg  960
190 tacaacatgt cgctgttcag gaacgaatgg aggaagattt tttgctgctt ctttttttcca 1020
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192 agc                                                              1083
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195 <211> LENGTH: 20
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: primer
202 <400> SEQUENCE: 5
203 gctgtggcat gcttttaaac                    20
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206 <211> LENGTH: 20
207 <212> TYPE: DNA
208 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
211 <223> OTHER INFORMATION: primer
213 <400> SEQUENCE: 6
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RAW SEQUENCE LISTING DATE: 09/26/2006
PATENT APPLICATION: **US/10/542,408A** TIME: 10:20:33

Input Set : **A:\3136us0p.seq.txt**
Output Set: **N:\CRF4\09262006\J542408A.raw**

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219 <213> ORGANISM: Artificial Sequence
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222 <223> OTHER INFORMATION: primer
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228 <211> LENGTH: 361
229 <212> TYPE: PRT
230 <213> ORGANISM: Rattus norvegicus
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234                  5                  10                  15
235 Pro Asp Gln Val Asn Arg Thr His Phe Pro Phe Phe Ser Asp Val Lys
236             20                  25                  30
237 Gly Asp His Arg Leu Val Leu Ser Val Leu Glu Thr Thr Val Leu Gly
238         35                  40                  45
239 Leu Ile Phe Val Val Ser Leu Leu Gly Asn Val Cys Ala Leu Val Leu
240     50                  55                  60
241 Val Val Arg Arg Arg Arg Arg Gly Ala Thr Val Ser Leu Val Leu Asn
242 65                  70                  75                  80
243 Leu Phe Cys Ala Asp Leu Leu Phe Thr Ser Ala Ile Pro Leu Val Leu
244                 85                  90                  95
245 Val Val Arg Trp Thr Glu Ala Trp Leu Leu Gly Pro Val Val Cys His
246             100                 105                 110
247 Leu Leu Phe Tyr Val Met Thr Met Ser Gly Ser Val Thr Ile Leu Thr
248         115                 120                 125
249 Leu Ala Ala Val Ser Leu Glu Arg Met Val Cys Ile Val Arg Leu Arg
250     130                 135                 140
251 Arg Gly Leu Ser Gly Pro Gly Arg Arg Thr Gln Ala Ala Leu Leu Ala
252 145                 150                 155                 160
253 Phe Ile Trp Gly Tyr Ser Ala Leu Ala Ala Leu Pro Leu Cys Ile Leu
254                 165                 170                 175
255 Phe Arg Val Val Pro Gln Arg Leu Pro Gly Gly Asp Gln Glu Ile Pro
256             180                 185                 190
257 Ile Cys Thr Leu Asp Trp Pro Asn Arg Ile Gly Glu Ile Ser Trp Asp
258         195                 200                 205
259 Val Phe Phe Val Thr Leu Asn Phe Leu Val Pro Gly Leu Val Ile Val
260     210                 215                 220
261 Ile Ser Tyr Ser Lys Ile Leu Gln Ile Thr Lys Ala Ser Arg Lys Arg
262 225                 230                 235                 240
263 Leu Thr Leu Ser Leu Ala Tyr Ser Glu Ser His Gln Ile Arg Val Ser
264                 245                 250                 255
265 Gln Gln Asp Tyr Arg Leu Phe Arg Thr Leu Phe Leu Leu Met Val Ser
266             260                 265                 270
267 Phe Phe Ile Met Trp Ser Pro Ile Ile Ile Thr Ile Leu Leu Ile Leu
268         275                 280                 285
269 Ile Gln Asn Phe Arg Gln Asp Leu Val Ile Trp Pro Ser Leu Phe Phe
270     290                 295                 300
```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/26/2006
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Input Set : **A:\3136us0p.seq.txt**
Output Set: **N:\CRF4\09262006\J542408A.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:21; N Pos. 20,21
Seq#:22; N Pos. 1,2

VERIFICATION SUMMARY DATE: 09/26/2006
PATENT APPLICATION: **US/10/542,408A** TIME: 10:20:34

Input Set : **A:\3136us0p.seq.txt**
Output Set: **N:\CRF4\09262006\J542408A.raw**

L:31 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER
L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0

<210> 21
<211> 21
<212> RNA
<213> Artificial Sequence

<220>
<221> misc_RNA
<222> (20)..(21)
<223> n stands for deoxy thymidine

It's can't be shown in an RNA sequence, even if they're represented by n's.

<400> 21
ggaccaggaa auuccgauun n 21

<210> 22
<211> 21
<212> RNA
<213> Artificial Sequence

For a combined DNA/RNA sequence, use <2127 DNA and explain in <2207-<2237 section

<220>
<221> misc_RNA
<222> (1)..(2)
<223> n stands for deoxy thymidine

<400> 22
nnccuggucc uuuaaggcua a 21